

Please type a plus sign (+) inside this box → ☐

PTO/SB/05 (12/97)

Approved for use through 9/30/00. OMB 0651-0032

Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

**UTILITY  
PATENT APPLICATION  
TRANSMITTAL**

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No.

3339.2.1

Total Pages

31

First Named Inventor or Application Identifier

Fred P. Smith

Express Mail Label No.

EV323274765US

**APPLICATION ELEMENTS**

See MPEP chapter 600 concerning utility patent application contents.

1. ☒ Fee Transmittal Form  
(Submit an original, and a duplicate for fee processing)2. ☒ Applicant claims small entity status. See 37 CFR 1.27.3. ☒ Specification *Total Pages*   
(preferred arrangement set forth below)

- Descriptive title of the Invention
- Cross References to Related Application
- Statement Regarding Fed sponsored R & D
- Reference to Microfiche Appendix
- Background of the Invention
- Brief Summary of the Invention
- Brief Description of the Drawings (if filed)
- Detailed Description
- Claim(s)

4. ☒ Drawing(s) (35 USC 113) *[Total Sheets]* 5. Oath or Declaration *[Total Pages]* 

- a. ☐ Newly executed (original or copy)
- b. ☐ Copy from a prior application (37 CFR 1.63(d))  
(for continuation/divisional with Box 17 completed)  
[Note Box 5 below]
- i. ☐ **DELETION OF INVENTOR(S)**  
Signed statement attached deleting inventor(s)  
named in prior application, see 37 CFR 1.63(d)(2)  
and 1.33(b).

6. ☐ Incorporation by Reference (useable if Box 4b is checked)  
The entire disclosure of the prior application, from which a copy  
of the oath or declaration is supplied under Box 4b is considered  
as being part of the disclosure of the accompanying application  
and is hereby incorporated by reference therein.7. ☐ Microfiche Computer Program (Appendix)8. Nucleotide and/or Amino Acid Sequence Submission (if  
applicable, all necessary)

- a. ☐ Computer Readable Copy
- b. ☐ Paper Copy (identical to computer copy)
- c. ☐ Statement verifying identify of above copies

**ACCOMPANYING APPLICATION PARTS**9. ☐ Assignment Papers (cover sheet & document(s))10. ☐ 37 CFR 3.73(b) Statement ☐ Power of Attorney  
(when there is an assignee)11. ☐ English Translation Document (if applicable)12. ☐ Information Disclosure ☐ Copies of IDS  
Statement (IDS)/PTO-1449 Citations13. ☐ Preliminary Amendment14. ☒ Return Receipt Postcard (MPEP 503)  
(Should be specifically itemized)15. ☐ Small Entity ☐ Statement filed in prior application,  
Statement(s) Status still proper and desired16. ☐ Certified Copy of Priority Document(s)  
(if foreign priority is claimed)17. ☒ Other: Express Mail Certificate18. If a **CONTINUING APPLICATION**, check appropriate box and supply the requisite information:☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No.:**18. CORRESPONDENCE ADDRESS**☒ Customer Number or Bar Code Label

28049

PATENT TRADEMARK OFFICE

or ☐ Correspondence address below

NAME

A. John Pate

PATE PIERCE &amp; BAIRD

ADDRESS

CITY

STATE

ZIP

COUNTRY

US

TELEPHONE

(801) 530-0330

FAX

(801) 530-5955

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, D.C. 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, D.C. 20231.

Please type a plus sign (+) inside this box → ☐ +

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

|                                                                                                                                                                 |  |                                       |                                    |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|--|---------------------------------------|------------------------------------|
| <h1 style="margin: 0;">FEE TRANSMITTAL</h1> <p style="margin: 10px 0 0 0;">Note: Effective October 1, 1997.<br/>Patent fees are subject to annual revision.</p> |  | <b>Complete If Known</b>              |                                    |
|                                                                                                                                                                 |  | Application Number                    |                                    |
|                                                                                                                                                                 |  | Filing Date<br>January 20, 2004       |                                    |
|                                                                                                                                                                 |  | First Named Inventor<br>Fred P. Smith |                                    |
|                                                                                                                                                                 |  | Group Art Unit                        |                                    |
| Examiner Name                                                                                                                                                   |  |                                       |                                    |
| TOTAL AMOUNT OF PAYMENT                                                                                                                                         |  | \$428.00                              | Attorney Docket Number<br>3339.2.1 |

| METHOD OF PAYMENT (check one)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | FEE CALCULATION (continued)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |              |                |                                                                            |                 |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |                                                        |      |      |      |      |                  |                           |      |      |      |      |                    |                                        |      |      |      |      |                        |                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |      |       |       |                |                                                     |              |          |     |      |    |                                        |        |      |     |      |                      |                                         |   |      |     |              |     |                                        |  |                 |          |          |          |                                         |          |      |      |      |      |                                        |  |      |     |      |     |                                   |  |      |     |      |     |                                        |  |      |     |      |     |                                                 |  |      |      |      |      |                                                         |  |      |     |      |    |                                  |  |      |      |      |     |                                    |  |      |      |      |     |                   |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                               |  |      |     |      |     |                                           |  |      |    |      |    |                                                                            |  |      |     |      |     |                                                             |  |      |     |      |     |                                                                |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|----------------|----------------------------------------------------------------------------|-----------------|-----------------|----------|----------|----------|----------|----------|------|------|------|--------------------|-------------------------------------|------|------|------|------|-------------------|--------------------------------------------------------|------|------|------|------|------------------|---------------------------|------|------|------|------|--------------------|----------------------------------------|------|------|------|------|------------------------|--------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------|-------|----------------|-----------------------------------------------------|--------------|----------|-----|------|----|----------------------------------------|--------|------|-----|------|----------------------|-----------------------------------------|---|------|-----|--------------|-----|----------------------------------------|--|-----------------|----------|----------|----------|-----------------------------------------|----------|------|------|------|------|----------------------------------------|--|------|-----|------|-----|-----------------------------------|--|------|-----|------|-----|----------------------------------------|--|------|-----|------|-----|-------------------------------------------------|--|------|------|------|------|---------------------------------------------------------|--|------|-----|------|----|----------------------------------|--|------|------|------|-----|------------------------------------|--|------|------|------|-----|-------------------|--|------|-----|------|-----|------------------|--|------|-----|------|-----|-----------------|--|------|-----|------|-----|-------------------------------|--|------|----|------|----|-----------------------------------------------|--|------|-----|------|-----|-------------------------------------------|--|------|----|------|----|----------------------------------------------------------------------------|--|------|-----|------|-----|-------------------------------------------------------------|--|------|-----|------|-----|----------------------------------------------------------------|--|
| <p>1. <input type="checkbox"/> The Commissioner is hereby authorized to charge indicated fees and credit any over payments to:</p> <p>Deposit Account Number <input style="width: 150px;" type="text"/></p> <p>Deposit Account Name <input style="width: 150px;" type="text"/></p> <p><input type="checkbox"/> Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17      <input type="checkbox"/> Charge the Issue Fee In 37 CFR at the Mailing of the Notice of Allowance</p> <p>2. <input checked="" type="checkbox"/> Payment Enclosed:</p> <p style="margin-left: 40px;"><input type="checkbox"/> Check    <input type="checkbox"/> Money Order    <input checked="" type="checkbox"/> Other</p>                                                                                                                                                                                                                    | <h3>3. ADDITIONAL FEES</h3> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2">Large Entity</th> <th colspan="2">Small Entity</th> <th rowspan="2">Fee Description</th> <th rowspan="2">Fee Paid</th> </tr> <tr> <th>Fee Code</th> <th>Fee (\$)</th> <th>Fee Code</th> <th>Fee (\$)</th> </tr> </thead> <tbody> <tr><td>1051</td><td>130</td><td>2051</td><td>65</td><td>Surcharge - late filing fee or oath</td><td></td></tr> <tr><td>1052</td><td>50</td><td>2052</td><td>25</td><td>Surcharge - late provisional filing fee or cover sheet</td><td></td></tr> <tr><td>1053</td><td>130</td><td>1053</td><td>130</td><td>Non-English specification</td><td></td></tr> <tr><td>1812</td><td>2520</td><td>1812</td><td>2520</td><td>For filing a request for reexamination</td><td></td></tr> <tr><td>1804</td><td>920*</td><td>1804</td><td>920*</td><td>Requesting publication of SIR prior to Examiner action</td><td></td></tr> <tr><td>1805</td><td>1840*</td><td>1805</td><td>1840*</td><td>Requesting publication of SIR after Examiner action</td><td></td></tr> <tr><td>1251</td><td>110</td><td>2251</td><td>55</td><td>Extension for reply within first month</td><td></td></tr> <tr><td>1252</td><td>420</td><td>2252</td><td>210</td><td>Extension for reply within second month</td><td></td></tr> <tr><td>1253</td><td>950</td><td>2253</td><td>475</td><td>Extension for reply within third month</td><td></td></tr> <tr><td>1254</td><td>1480</td><td>2254</td><td>740</td><td>Extension for reply within fourth month</td><td></td></tr> <tr><td>1255</td><td>2010</td><td>2255</td><td>1005</td><td>Extension for reply within fifth month</td><td></td></tr> <tr><td>1401</td><td>330</td><td>2401</td><td>165</td><td>Notice of Appeal</td><td></td></tr> <tr><td>1402</td><td>330</td><td>2402</td><td>165</td><td>Filing a brief in support of an appeal</td><td></td></tr> <tr><td>1403</td><td>290</td><td>2403</td><td>145</td><td>Request for oral hearing</td><td></td></tr> <tr><td>1451</td><td>1510</td><td>1451</td><td>1510</td><td>Petition to institute a public use proceeding</td><td></td></tr> <tr><td>1452</td><td>110</td><td>2452</td><td>55</td><td>Petition to revive - intentional</td><td></td></tr> <tr><td>1453</td><td>1330</td><td>2453</td><td>665</td><td>Petition to revive - unintentional</td><td></td></tr> <tr><td>1501</td><td>1330</td><td>2501</td><td>665</td><td>Utility issue fee</td><td></td></tr> <tr><td>1502</td><td>480</td><td>2502</td><td>240</td><td>Design issue fee</td><td></td></tr> <tr><td>1503</td><td>640</td><td>2503</td><td>320</td><td>Plant issue fee</td><td></td></tr> <tr><td>1460</td><td>130</td><td>1460</td><td>130</td><td>Petitions to the Commissioner</td><td></td></tr> <tr><td>1807</td><td>50</td><td>1807</td><td>50</td><td>Petitions related to provisional applications</td><td></td></tr> <tr><td>1806</td><td>180</td><td>1806</td><td>180</td><td>Submission of Information Disclosure Stmt</td><td></td></tr> <tr><td>8021</td><td>40</td><td>8021</td><td>40</td><td>Recording each patent assignment per property (times number of properties)</td><td></td></tr> <tr><td>1809</td><td>770</td><td>2809</td><td>385</td><td>Filing a submission after final rejection (37 CFR 1.129(a))</td><td></td></tr> <tr><td>1810</td><td>770</td><td>2810</td><td>385</td><td>For each additional invention to be examined (37 CFR 1.129(b))</td><td></td></tr> </tbody> </table> <p>Other fee (specify) _____</p> <p>Other fee (specify) _____</p> | Large Entity |                | Small Entity                                                               |                 | Fee Description | Fee Paid | Fee Code | Fee (\$) | Fee Code | Fee (\$) | 1051 | 130  | 2051 | 65                 | Surcharge - late filing fee or oath |      | 1052 | 50   | 2052 | 25                | Surcharge - late provisional filing fee or cover sheet |      | 1053 | 130  | 1053 | 130              | Non-English specification |      | 1812 | 2520 | 1812 | 2520               | For filing a request for reexamination |      | 1804 | 920* | 1804 | 920*                   | Requesting publication of SIR prior to Examiner action |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 1805 | 1840* | 1805  | 1840*          | Requesting publication of SIR after Examiner action |              | 1251     | 110 | 2251 | 55 | Extension for reply within first month |        | 1252 | 420 | 2252 | 210                  | Extension for reply within second month |   | 1253 | 950 | 2253         | 475 | Extension for reply within third month |  | 1254            | 1480     | 2254     | 740      | Extension for reply within fourth month |          | 1255 | 2010 | 2255 | 1005 | Extension for reply within fifth month |  | 1401 | 330 | 2401 | 165 | Notice of Appeal                  |  | 1402 | 330 | 2402 | 165 | Filing a brief in support of an appeal |  | 1403 | 290 | 2403 | 145 | Request for oral hearing                        |  | 1451 | 1510 | 1451 | 1510 | Petition to institute a public use proceeding           |  | 1452 | 110 | 2452 | 55 | Petition to revive - intentional |  | 1453 | 1330 | 2453 | 665 | Petition to revive - unintentional |  | 1501 | 1330 | 2501 | 665 | Utility issue fee |  | 1502 | 480 | 2502 | 240 | Design issue fee |  | 1503 | 640 | 2503 | 320 | Plant issue fee |  | 1460 | 130 | 1460 | 130 | Petitions to the Commissioner |  | 1807 | 50 | 1807 | 50 | Petitions related to provisional applications |  | 1806 | 180 | 1806 | 180 | Submission of Information Disclosure Stmt |  | 8021 | 40 | 8021 | 40 | Recording each patent assignment per property (times number of properties) |  | 1809 | 770 | 2809 | 385 | Filing a submission after final rejection (37 CFR 1.129(a)) |  | 1810 | 770 | 2810 | 385 | For each additional invention to be examined (37 CFR 1.129(b)) |  |
| Large Entity                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Small Entity |                | Fee Description                                                            | Fee Paid        |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |                                                        |      |      |      |      |                  |                           |      |      |      |      |                    |                                        |      |      |      |      |                        |                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |      |       |       |                |                                                     |              |          |     |      |    |                                        |        |      |     |      |                      |                                         |   |      |     |              |     |                                        |  |                 |          |          |          |                                         |          |      |      |      |      |                                        |  |      |     |      |     |                                   |  |      |     |      |     |                                        |  |      |     |      |     |                                                 |  |      |      |      |      |                                                         |  |      |     |      |    |                                  |  |      |      |      |     |                                    |  |      |      |      |     |                   |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                               |  |      |     |      |     |                                           |  |      |    |      |    |                                                                            |  |      |     |      |     |                                                             |  |      |     |      |     |                                                                |  |
| Fee Code                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Fee (\$)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Fee Code     | Fee (\$)       |                                                                            |                 |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |                                                        |      |      |      |      |                  |                           |      |      |      |      |                    |                                        |      |      |      |      |                        |                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |      |       |       |                |                                                     |              |          |     |      |    |                                        |        |      |     |      |                      |                                         |   |      |     |              |     |                                        |  |                 |          |          |          |                                         |          |      |      |      |      |                                        |  |      |     |      |     |                                   |  |      |     |      |     |                                        |  |      |     |      |     |                                                 |  |      |      |      |      |                                                         |  |      |     |      |    |                                  |  |      |      |      |     |                                    |  |      |      |      |     |                   |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                               |  |      |     |      |     |                                           |  |      |    |      |    |                                                                            |  |      |     |      |     |                                                             |  |      |     |      |     |                                                                |  |
| 1051                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 130                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 2051         | 65             | Surcharge - late filing fee or oath                                        |                 |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |                                                        |      |      |      |      |                  |                           |      |      |      |      |                    |                                        |      |      |      |      |                        |                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |      |       |       |                |                                                     |              |          |     |      |    |                                        |        |      |     |      |                      |                                         |   |      |     |              |     |                                        |  |                 |          |          |          |                                         |          |      |      |      |      |                                        |  |      |     |      |     |                                   |  |      |     |      |     |                                        |  |      |     |      |     |                                                 |  |      |      |      |      |                                                         |  |      |     |      |    |                                  |  |      |      |      |     |                                    |  |      |      |      |     |                   |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                               |  |      |     |      |     |                                           |  |      |    |      |    |                                                                            |  |      |     |      |     |                                                             |  |      |     |      |     |                                                                |  |
| 1052                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 50                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 2052         | 25             | Surcharge - late provisional filing fee or cover sheet                     |                 |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |                                                        |      |      |      |      |                  |                           |      |      |      |      |                    |                                        |      |      |      |      |                        |                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |      |       |       |                |                                                     |              |          |     |      |    |                                        |        |      |     |      |                      |                                         |   |      |     |              |     |                                        |  |                 |          |          |          |                                         |          |      |      |      |      |                                        |  |      |     |      |     |                                   |  |      |     |      |     |                                        |  |      |     |      |     |                                                 |  |      |      |      |      |                                                         |  |      |     |      |    |                                  |  |      |      |      |     |                                    |  |      |      |      |     |                   |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                               |  |      |     |      |     |                                           |  |      |    |      |    |                                                                            |  |      |     |      |     |                                                             |  |      |     |      |     |                                                                |  |
| 1053                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 130                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 1053         | 130            | Non-English specification                                                  |                 |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |                                                        |      |      |      |      |                  |                           |      |      |      |      |                    |                                        |      |      |      |      |                        |                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |      |       |       |                |                                                     |              |          |     |      |    |                                        |        |      |     |      |                      |                                         |   |      |     |              |     |                                        |  |                 |          |          |          |                                         |          |      |      |      |      |                                        |  |      |     |      |     |                                   |  |      |     |      |     |                                        |  |      |     |      |     |                                                 |  |      |      |      |      |                                                         |  |      |     |      |    |                                  |  |      |      |      |     |                                    |  |      |      |      |     |                   |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                               |  |      |     |      |     |                                           |  |      |    |      |    |                                                                            |  |      |     |      |     |                                                             |  |      |     |      |     |                                                                |  |
| 1812                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 2520                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 1812         | 2520           | For filing a request for reexamination                                     |                 |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |                                                        |      |      |      |      |                  |                           |      |      |      |      |                    |                                        |      |      |      |      |                        |                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |      |       |       |                |                                                     |              |          |     |      |    |                                        |        |      |     |      |                      |                                         |   |      |     |              |     |                                        |  |                 |          |          |          |                                         |          |      |      |      |      |                                        |  |      |     |      |     |                                   |  |      |     |      |     |                                        |  |      |     |      |     |                                                 |  |      |      |      |      |                                                         |  |      |     |      |    |                                  |  |      |      |      |     |                                    |  |      |      |      |     |                   |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                               |  |      |     |      |     |                                           |  |      |    |      |    |                                                                            |  |      |     |      |     |                                                             |  |      |     |      |     |                                                                |  |
| 1804                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 920*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 1804         | 920*           | Requesting publication of SIR prior to Examiner action                     |                 |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |                                                        |      |      |      |      |                  |                           |      |      |      |      |                    |                                        |      |      |      |      |                        |                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |      |       |       |                |                                                     |              |          |     |      |    |                                        |        |      |     |      |                      |                                         |   |      |     |              |     |                                        |  |                 |          |          |          |                                         |          |      |      |      |      |                                        |  |      |     |      |     |                                   |  |      |     |      |     |                                        |  |      |     |      |     |                                                 |  |      |      |      |      |                                                         |  |      |     |      |    |                                  |  |      |      |      |     |                                    |  |      |      |      |     |                   |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                               |  |      |     |      |     |                                           |  |      |    |      |    |                                                                            |  |      |     |      |     |                                                             |  |      |     |      |     |                                                                |  |
| 1805                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 1840*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 1805         | 1840*          | Requesting publication of SIR after Examiner action                        |                 |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |                                                        |      |      |      |      |                  |                           |      |      |      |      |                    |                                        |      |      |      |      |                        |                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |      |       |       |                |                                                     |              |          |     |      |    |                                        |        |      |     |      |                      |                                         |   |      |     |              |     |                                        |  |                 |          |          |          |                                         |          |      |      |      |      |                                        |  |      |     |      |     |                                   |  |      |     |      |     |                                        |  |      |     |      |     |                                                 |  |      |      |      |      |                                                         |  |      |     |      |    |                                  |  |      |      |      |     |                                    |  |      |      |      |     |                   |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                               |  |      |     |      |     |                                           |  |      |    |      |    |                                                                            |  |      |     |      |     |                                                             |  |      |     |      |     |                                                                |  |
| 1251                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 110                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 2251         | 55             | Extension for reply within first month                                     |                 |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |                                                        |      |      |      |      |                  |                           |      |      |      |      |                    |                                        |      |      |      |      |                        |                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |      |       |       |                |                                                     |              |          |     |      |    |                                        |        |      |     |      |                      |                                         |   |      |     |              |     |                                        |  |                 |          |          |          |                                         |          |      |      |      |      |                                        |  |      |     |      |     |                                   |  |      |     |      |     |                                        |  |      |     |      |     |                                                 |  |      |      |      |      |                                                         |  |      |     |      |    |                                  |  |      |      |      |     |                                    |  |      |      |      |     |                   |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                               |  |      |     |      |     |                                           |  |      |    |      |    |                                                                            |  |      |     |      |     |                                                             |  |      |     |      |     |                                                                |  |
| 1252                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 420                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 2252         | 210            | Extension for reply within second month                                    |                 |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |                                                        |      |      |      |      |                  |                           |      |      |      |      |                    |                                        |      |      |      |      |                        |                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |      |       |       |                |                                                     |              |          |     |      |    |                                        |        |      |     |      |                      |                                         |   |      |     |              |     |                                        |  |                 |          |          |          |                                         |          |      |      |      |      |                                        |  |      |     |      |     |                                   |  |      |     |      |     |                                        |  |      |     |      |     |                                                 |  |      |      |      |      |                                                         |  |      |     |      |    |                                  |  |      |      |      |     |                                    |  |      |      |      |     |                   |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                               |  |      |     |      |     |                                           |  |      |    |      |    |                                                                            |  |      |     |      |     |                                                             |  |      |     |      |     |                                                                |  |
| 1253                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 950                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 2253         | 475            | Extension for reply within third month                                     |                 |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |                                                        |      |      |      |      |                  |                           |      |      |      |      |                    |                                        |      |      |      |      |                        |                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |      |       |       |                |                                                     |              |          |     |      |    |                                        |        |      |     |      |                      |                                         |   |      |     |              |     |                                        |  |                 |          |          |          |                                         |          |      |      |      |      |                                        |  |      |     |      |     |                                   |  |      |     |      |     |                                        |  |      |     |      |     |                                                 |  |      |      |      |      |                                                         |  |      |     |      |    |                                  |  |      |      |      |     |                                    |  |      |      |      |     |                   |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                               |  |      |     |      |     |                                           |  |      |    |      |    |                                                                            |  |      |     |      |     |                                                             |  |      |     |      |     |                                                                |  |
| 1254                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 1480                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 2254         | 740            | Extension for reply within fourth month                                    |                 |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |                                                        |      |      |      |      |                  |                           |      |      |      |      |                    |                                        |      |      |      |      |                        |                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |      |       |       |                |                                                     |              |          |     |      |    |                                        |        |      |     |      |                      |                                         |   |      |     |              |     |                                        |  |                 |          |          |          |                                         |          |      |      |      |      |                                        |  |      |     |      |     |                                   |  |      |     |      |     |                                        |  |      |     |      |     |                                                 |  |      |      |      |      |                                                         |  |      |     |      |    |                                  |  |      |      |      |     |                                    |  |      |      |      |     |                   |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                               |  |      |     |      |     |                                           |  |      |    |      |    |                                                                            |  |      |     |      |     |                                                             |  |      |     |      |     |                                                                |  |
| 1255                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 2010                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 2255         | 1005           | Extension for reply within fifth month                                     |                 |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |                                                        |      |      |      |      |                  |                           |      |      |      |      |                    |                                        |      |      |      |      |                        |                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |      |       |       |                |                                                     |              |          |     |      |    |                                        |        |      |     |      |                      |                                         |   |      |     |              |     |                                        |  |                 |          |          |          |                                         |          |      |      |      |      |                                        |  |      |     |      |     |                                   |  |      |     |      |     |                                        |  |      |     |      |     |                                                 |  |      |      |      |      |                                                         |  |      |     |      |    |                                  |  |      |      |      |     |                                    |  |      |      |      |     |                   |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                               |  |      |     |      |     |                                           |  |      |    |      |    |                                                                            |  |      |     |      |     |                                                             |  |      |     |      |     |                                                                |  |
| 1401                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 330                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 2401         | 165            | Notice of Appeal                                                           |                 |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |                                                        |      |      |      |      |                  |                           |      |      |      |      |                    |                                        |      |      |      |      |                        |                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |      |       |       |                |                                                     |              |          |     |      |    |                                        |        |      |     |      |                      |                                         |   |      |     |              |     |                                        |  |                 |          |          |          |                                         |          |      |      |      |      |                                        |  |      |     |      |     |                                   |  |      |     |      |     |                                        |  |      |     |      |     |                                                 |  |      |      |      |      |                                                         |  |      |     |      |    |                                  |  |      |      |      |     |                                    |  |      |      |      |     |                   |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                               |  |      |     |      |     |                                           |  |      |    |      |    |                                                                            |  |      |     |      |     |                                                             |  |      |     |      |     |                                                                |  |
| 1402                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 330                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 2402         | 165            | Filing a brief in support of an appeal                                     |                 |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |                                                        |      |      |      |      |                  |                           |      |      |      |      |                    |                                        |      |      |      |      |                        |                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |      |       |       |                |                                                     |              |          |     |      |    |                                        |        |      |     |      |                      |                                         |   |      |     |              |     |                                        |  |                 |          |          |          |                                         |          |      |      |      |      |                                        |  |      |     |      |     |                                   |  |      |     |      |     |                                        |  |      |     |      |     |                                                 |  |      |      |      |      |                                                         |  |      |     |      |    |                                  |  |      |      |      |     |                                    |  |      |      |      |     |                   |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                               |  |      |     |      |     |                                           |  |      |    |      |    |                                                                            |  |      |     |      |     |                                                             |  |      |     |      |     |                                                                |  |
| 1403                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 290                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 2403         | 145            | Request for oral hearing                                                   |                 |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |                                                        |      |      |      |      |                  |                           |      |      |      |      |                    |                                        |      |      |      |      |                        |                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |      |       |       |                |                                                     |              |          |     |      |    |                                        |        |      |     |      |                      |                                         |   |      |     |              |     |                                        |  |                 |          |          |          |                                         |          |      |      |      |      |                                        |  |      |     |      |     |                                   |  |      |     |      |     |                                        |  |      |     |      |     |                                                 |  |      |      |      |      |                                                         |  |      |     |      |    |                                  |  |      |      |      |     |                                    |  |      |      |      |     |                   |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                               |  |      |     |      |     |                                           |  |      |    |      |    |                                                                            |  |      |     |      |     |                                                             |  |      |     |      |     |                                                                |  |
| 1451                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 1510                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 1451         | 1510           | Petition to institute a public use proceeding                              |                 |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |                                                        |      |      |      |      |                  |                           |      |      |      |      |                    |                                        |      |      |      |      |                        |                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |      |       |       |                |                                                     |              |          |     |      |    |                                        |        |      |     |      |                      |                                         |   |      |     |              |     |                                        |  |                 |          |          |          |                                         |          |      |      |      |      |                                        |  |      |     |      |     |                                   |  |      |     |      |     |                                        |  |      |     |      |     |                                                 |  |      |      |      |      |                                                         |  |      |     |      |    |                                  |  |      |      |      |     |                                    |  |      |      |      |     |                   |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                               |  |      |     |      |     |                                           |  |      |    |      |    |                                                                            |  |      |     |      |     |                                                             |  |      |     |      |     |                                                                |  |
| 1452                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 110                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 2452         | 55             | Petition to revive - intentional                                           |                 |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |                                                        |      |      |      |      |                  |                           |      |      |      |      |                    |                                        |      |      |      |      |                        |                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |      |       |       |                |                                                     |              |          |     |      |    |                                        |        |      |     |      |                      |                                         |   |      |     |              |     |                                        |  |                 |          |          |          |                                         |          |      |      |      |      |                                        |  |      |     |      |     |                                   |  |      |     |      |     |                                        |  |      |     |      |     |                                                 |  |      |      |      |      |                                                         |  |      |     |      |    |                                  |  |      |      |      |     |                                    |  |      |      |      |     |                   |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                               |  |      |     |      |     |                                           |  |      |    |      |    |                                                                            |  |      |     |      |     |                                                             |  |      |     |      |     |                                                                |  |
| 1453                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 1330                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 2453         | 665            | Petition to revive - unintentional                                         |                 |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |                                                        |      |      |      |      |                  |                           |      |      |      |      |                    |                                        |      |      |      |      |                        |                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |      |       |       |                |                                                     |              |          |     |      |    |                                        |        |      |     |      |                      |                                         |   |      |     |              |     |                                        |  |                 |          |          |          |                                         |          |      |      |      |      |                                        |  |      |     |      |     |                                   |  |      |     |      |     |                                        |  |      |     |      |     |                                                 |  |      |      |      |      |                                                         |  |      |     |      |    |                                  |  |      |      |      |     |                                    |  |      |      |      |     |                   |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                               |  |      |     |      |     |                                           |  |      |    |      |    |                                                                            |  |      |     |      |     |                                                             |  |      |     |      |     |                                                                |  |
| 1501                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 1330                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 2501         | 665            | Utility issue fee                                                          |                 |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |                                                        |      |      |      |      |                  |                           |      |      |      |      |                    |                                        |      |      |      |      |                        |                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |      |       |       |                |                                                     |              |          |     |      |    |                                        |        |      |     |      |                      |                                         |   |      |     |              |     |                                        |  |                 |          |          |          |                                         |          |      |      |      |      |                                        |  |      |     |      |     |                                   |  |      |     |      |     |                                        |  |      |     |      |     |                                                 |  |      |      |      |      |                                                         |  |      |     |      |    |                                  |  |      |      |      |     |                                    |  |      |      |      |     |                   |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                               |  |      |     |      |     |                                           |  |      |    |      |    |                                                                            |  |      |     |      |     |                                                             |  |      |     |      |     |                                                                |  |
| 1502                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 480                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 2502         | 240            | Design issue fee                                                           |                 |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |                                                        |      |      |      |      |                  |                           |      |      |      |      |                    |                                        |      |      |      |      |                        |                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |      |       |       |                |                                                     |              |          |     |      |    |                                        |        |      |     |      |                      |                                         |   |      |     |              |     |                                        |  |                 |          |          |          |                                         |          |      |      |      |      |                                        |  |      |     |      |     |                                   |  |      |     |      |     |                                        |  |      |     |      |     |                                                 |  |      |      |      |      |                                                         |  |      |     |      |    |                                  |  |      |      |      |     |                                    |  |      |      |      |     |                   |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                               |  |      |     |      |     |                                           |  |      |    |      |    |                                                                            |  |      |     |      |     |                                                             |  |      |     |      |     |                                                                |  |
| 1503                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 640                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 2503         | 320            | Plant issue fee                                                            |                 |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |                                                        |      |      |      |      |                  |                           |      |      |      |      |                    |                                        |      |      |      |      |                        |                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |      |       |       |                |                                                     |              |          |     |      |    |                                        |        |      |     |      |                      |                                         |   |      |     |              |     |                                        |  |                 |          |          |          |                                         |          |      |      |      |      |                                        |  |      |     |      |     |                                   |  |      |     |      |     |                                        |  |      |     |      |     |                                                 |  |      |      |      |      |                                                         |  |      |     |      |    |                                  |  |      |      |      |     |                                    |  |      |      |      |     |                   |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                               |  |      |     |      |     |                                           |  |      |    |      |    |                                                                            |  |      |     |      |     |                                                             |  |      |     |      |     |                                                                |  |
| 1460                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 130                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 1460         | 130            | Petitions to the Commissioner                                              |                 |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |                                                        |      |      |      |      |                  |                           |      |      |      |      |                    |                                        |      |      |      |      |                        |                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |      |       |       |                |                                                     |              |          |     |      |    |                                        |        |      |     |      |                      |                                         |   |      |     |              |     |                                        |  |                 |          |          |          |                                         |          |      |      |      |      |                                        |  |      |     |      |     |                                   |  |      |     |      |     |                                        |  |      |     |      |     |                                                 |  |      |      |      |      |                                                         |  |      |     |      |    |                                  |  |      |      |      |     |                                    |  |      |      |      |     |                   |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                               |  |      |     |      |     |                                           |  |      |    |      |    |                                                                            |  |      |     |      |     |                                                             |  |      |     |      |     |                                                                |  |
| 1807                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 50                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 1807         | 50             | Petitions related to provisional applications                              |                 |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |                                                        |      |      |      |      |                  |                           |      |      |      |      |                    |                                        |      |      |      |      |                        |                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |      |       |       |                |                                                     |              |          |     |      |    |                                        |        |      |     |      |                      |                                         |   |      |     |              |     |                                        |  |                 |          |          |          |                                         |          |      |      |      |      |                                        |  |      |     |      |     |                                   |  |      |     |      |     |                                        |  |      |     |      |     |                                                 |  |      |      |      |      |                                                         |  |      |     |      |    |                                  |  |      |      |      |     |                                    |  |      |      |      |     |                   |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                               |  |      |     |      |     |                                           |  |      |    |      |    |                                                                            |  |      |     |      |     |                                                             |  |      |     |      |     |                                                                |  |
| 1806                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 180                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 1806         | 180            | Submission of Information Disclosure Stmt                                  |                 |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |                                                        |      |      |      |      |                  |                           |      |      |      |      |                    |                                        |      |      |      |      |                        |                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |      |       |       |                |                                                     |              |          |     |      |    |                                        |        |      |     |      |                      |                                         |   |      |     |              |     |                                        |  |                 |          |          |          |                                         |          |      |      |      |      |                                        |  |      |     |      |     |                                   |  |      |     |      |     |                                        |  |      |     |      |     |                                                 |  |      |      |      |      |                                                         |  |      |     |      |    |                                  |  |      |      |      |     |                                    |  |      |      |      |     |                   |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                               |  |      |     |      |     |                                           |  |      |    |      |    |                                                                            |  |      |     |      |     |                                                             |  |      |     |      |     |                                                                |  |
| 8021                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 40                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 8021         | 40             | Recording each patent assignment per property (times number of properties) |                 |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |                                                        |      |      |      |      |                  |                           |      |      |      |      |                    |                                        |      |      |      |      |                        |                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |      |       |       |                |                                                     |              |          |     |      |    |                                        |        |      |     |      |                      |                                         |   |      |     |              |     |                                        |  |                 |          |          |          |                                         |          |      |      |      |      |                                        |  |      |     |      |     |                                   |  |      |     |      |     |                                        |  |      |     |      |     |                                                 |  |      |      |      |      |                                                         |  |      |     |      |    |                                  |  |      |      |      |     |                                    |  |      |      |      |     |                   |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                               |  |      |     |      |     |                                           |  |      |    |      |    |                                                                            |  |      |     |      |     |                                                             |  |      |     |      |     |                                                                |  |
| 1809                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 770                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 2809         | 385            | Filing a submission after final rejection (37 CFR 1.129(a))                |                 |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |                                                        |      |      |      |      |                  |                           |      |      |      |      |                    |                                        |      |      |      |      |                        |                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |      |       |       |                |                                                     |              |          |     |      |    |                                        |        |      |     |      |                      |                                         |   |      |     |              |     |                                        |  |                 |          |          |          |                                         |          |      |      |      |      |                                        |  |      |     |      |     |                                   |  |      |     |      |     |                                        |  |      |     |      |     |                                                 |  |      |      |      |      |                                                         |  |      |     |      |    |                                  |  |      |      |      |     |                                    |  |      |      |      |     |                   |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                               |  |      |     |      |     |                                           |  |      |    |      |    |                                                                            |  |      |     |      |     |                                                             |  |      |     |      |     |                                                                |  |
| 1810                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 770                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 2810         | 385            | For each additional invention to be examined (37 CFR 1.129(b))             |                 |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |                                                        |      |      |      |      |                  |                           |      |      |      |      |                    |                                        |      |      |      |      |                        |                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |      |       |       |                |                                                     |              |          |     |      |    |                                        |        |      |     |      |                      |                                         |   |      |     |              |     |                                        |  |                 |          |          |          |                                         |          |      |      |      |      |                                        |  |      |     |      |     |                                   |  |      |     |      |     |                                        |  |      |     |      |     |                                                 |  |      |      |      |      |                                                         |  |      |     |      |    |                                  |  |      |      |      |     |                                    |  |      |      |      |     |                   |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                               |  |      |     |      |     |                                           |  |      |    |      |    |                                                                            |  |      |     |      |     |                                                             |  |      |     |      |     |                                                                |  |
| <h3>1. FILING FEE</h3> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2">Large Entity</th> <th colspan="2">Small Entity</th> <th rowspan="2">Fee Description</th> <th rowspan="2">Fee Paid</th> </tr> <tr> <th>Fee Code</th> <th>Fee (\$)</th> <th>Fee Code</th> <th>Fee (\$)</th> </tr> </thead> <tbody> <tr><td>1001</td><td>770</td><td>2001</td><td>385</td><td>Utility filing fee</td><td>385</td></tr> <tr><td>1002</td><td>340</td><td>2002</td><td>170</td><td>Design filing fee</td><td></td></tr> <tr><td>1003</td><td>530</td><td>2003</td><td>265</td><td>Plant filing fee</td><td></td></tr> <tr><td>1004</td><td>770</td><td>2004</td><td>385</td><td>Reissue filing fee</td><td></td></tr> <tr><td>1005</td><td>160</td><td>2005</td><td>80</td><td>Provisional filing fee</td><td></td></tr> </tbody> </table> <p style="text-align: right;"><b>SUBTOTAL (1)</b>      385</p> | Large Entity                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |              | Small Entity   |                                                                            | Fee Description | Fee Paid        | Fee Code | Fee (\$) | Fee Code | Fee (\$) | 1001     | 770  | 2001 | 385  | Utility filing fee | 385                                 | 1002 | 340  | 2002 | 170  | Design filing fee |                                                        | 1003 | 530  | 2003 | 265  | Plant filing fee |                           | 1004 | 770  | 2004 | 385  | Reissue filing fee |                                        | 1005 | 160  | 2005 | 80   | Provisional filing fee |                                                        | <h3>2. CLAIMS</h3> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2"></th> <th>Extra</th> <th>Fee from below</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr> <td>Total Claims</td> <td>20 -20 =</td> <td>0</td> <td>9</td> <td>0</td> </tr> <tr> <td>Ind. Claims</td> <td>4 -3 =</td> <td>1</td> <td>43</td> <td>43</td> </tr> <tr> <td>Multiple Dep. Claims</td> <td></td> <td>0</td> <td></td> <td>0</td> </tr> </tbody> </table> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2">Large Entity</th> <th colspan="2">Small Entity</th> <th rowspan="2">Fee Description</th> <th rowspan="2">Fee Paid</th> </tr> <tr> <th>Fee Code</th> <th>Fee (\$)</th> <th>Fee Code</th> <th>Fee (\$)</th> </tr> </thead> <tbody> <tr><td>1202</td><td>18</td><td>2202</td><td>9</td><td>Claims in excess of 20</td><td></td></tr> <tr><td>1201</td><td>86</td><td>2201</td><td>43</td><td>Independent claims in excess of 3</td><td></td></tr> <tr><td>1203</td><td>290</td><td>2203</td><td>145</td><td>Multiple dependent claim</td><td></td></tr> <tr><td>1204</td><td>86</td><td>2204</td><td>43</td><td>Reissue independent claims over original patent</td><td></td></tr> <tr><td>1205</td><td>18</td><td>2205</td><td>9</td><td>Reissue claims in excess of 20 and over original patent</td><td></td></tr> </tbody> </table> <p style="text-align: right;"><b>SUBTOTAL (2)</b>      43.00</p> |      |       | Extra | Fee from below | Fee Paid                                            | Total Claims | 20 -20 = | 0   | 9    | 0  | Ind. Claims                            | 4 -3 = | 1    | 43  | 43   | Multiple Dep. Claims |                                         | 0 |      | 0   | Large Entity |     | Small Entity                           |  | Fee Description | Fee Paid | Fee Code | Fee (\$) | Fee Code                                | Fee (\$) | 1202 | 18   | 2202 | 9    | Claims in excess of 20                 |  | 1201 | 86  | 2201 | 43  | Independent claims in excess of 3 |  | 1203 | 290 | 2203 | 145 | Multiple dependent claim               |  | 1204 | 86  | 2204 | 43  | Reissue independent claims over original patent |  | 1205 | 18   | 2205 | 9    | Reissue claims in excess of 20 and over original patent |  |      |     |      |    |                                  |  |      |      |      |     |                                    |  |      |      |      |     |                   |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                               |  |      |     |      |     |                                           |  |      |    |      |    |                                                                            |  |      |     |      |     |                                                             |  |      |     |      |     |                                                                |  |
| Large Entity                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Small Entity |                | Fee Description                                                            |                 |                 | Fee Paid |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |                                                        |      |      |      |      |                  |                           |      |      |      |      |                    |                                        |      |      |      |      |                        |                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |      |       |       |                |                                                     |              |          |     |      |    |                                        |        |      |     |      |                      |                                         |   |      |     |              |     |                                        |  |                 |          |          |          |                                         |          |      |      |      |      |                                        |  |      |     |      |     |                                   |  |      |     |      |     |                                        |  |      |     |      |     |                                                 |  |      |      |      |      |                                                         |  |      |     |      |    |                                  |  |      |      |      |     |                                    |  |      |      |      |     |                   |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                               |  |      |     |      |     |                                           |  |      |    |      |    |                                                                            |  |      |     |      |     |                                                             |  |      |     |      |     |                                                                |  |
| Fee Code                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Fee (\$)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Fee Code     | Fee (\$)       |                                                                            |                 |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |                                                        |      |      |      |      |                  |                           |      |      |      |      |                    |                                        |      |      |      |      |                        |                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |      |       |       |                |                                                     |              |          |     |      |    |                                        |        |      |     |      |                      |                                         |   |      |     |              |     |                                        |  |                 |          |          |          |                                         |          |      |      |      |      |                                        |  |      |     |      |     |                                   |  |      |     |      |     |                                        |  |      |     |      |     |                                                 |  |      |      |      |      |                                                         |  |      |     |      |    |                                  |  |      |      |      |     |                                    |  |      |      |      |     |                   |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                               |  |      |     |      |     |                                           |  |      |    |      |    |                                                                            |  |      |     |      |     |                                                             |  |      |     |      |     |                                                                |  |
| 1001                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 770                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 2001         | 385            | Utility filing fee                                                         | 385             |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |                                                        |      |      |      |      |                  |                           |      |      |      |      |                    |                                        |      |      |      |      |                        |                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |      |       |       |                |                                                     |              |          |     |      |    |                                        |        |      |     |      |                      |                                         |   |      |     |              |     |                                        |  |                 |          |          |          |                                         |          |      |      |      |      |                                        |  |      |     |      |     |                                   |  |      |     |      |     |                                        |  |      |     |      |     |                                                 |  |      |      |      |      |                                                         |  |      |     |      |    |                                  |  |      |      |      |     |                                    |  |      |      |      |     |                   |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                               |  |      |     |      |     |                                           |  |      |    |      |    |                                                                            |  |      |     |      |     |                                                             |  |      |     |      |     |                                                                |  |
| 1002                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 340                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 2002         | 170            | Design filing fee                                                          |                 |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |                                                        |      |      |      |      |                  |                           |      |      |      |      |                    |                                        |      |      |      |      |                        |                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |      |       |       |                |                                                     |              |          |     |      |    |                                        |        |      |     |      |                      |                                         |   |      |     |              |     |                                        |  |                 |          |          |          |                                         |          |      |      |      |      |                                        |  |      |     |      |     |                                   |  |      |     |      |     |                                        |  |      |     |      |     |                                                 |  |      |      |      |      |                                                         |  |      |     |      |    |                                  |  |      |      |      |     |                                    |  |      |      |      |     |                   |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                               |  |      |     |      |     |                                           |  |      |    |      |    |                                                                            |  |      |     |      |     |                                                             |  |      |     |      |     |                                                                |  |
| 1003                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 530                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 2003         | 265            | Plant filing fee                                                           |                 |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |                                                        |      |      |      |      |                  |                           |      |      |      |      |                    |                                        |      |      |      |      |                        |                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |      |       |       |                |                                                     |              |          |     |      |    |                                        |        |      |     |      |                      |                                         |   |      |     |              |     |                                        |  |                 |          |          |          |                                         |          |      |      |      |      |                                        |  |      |     |      |     |                                   |  |      |     |      |     |                                        |  |      |     |      |     |                                                 |  |      |      |      |      |                                                         |  |      |     |      |    |                                  |  |      |      |      |     |                                    |  |      |      |      |     |                   |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                               |  |      |     |      |     |                                           |  |      |    |      |    |                                                                            |  |      |     |      |     |                                                             |  |      |     |      |     |                                                                |  |
| 1004                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 770                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 2004         | 385            | Reissue filing fee                                                         |                 |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |                                                        |      |      |      |      |                  |                           |      |      |      |      |                    |                                        |      |      |      |      |                        |                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |      |       |       |                |                                                     |              |          |     |      |    |                                        |        |      |     |      |                      |                                         |   |      |     |              |     |                                        |  |                 |          |          |          |                                         |          |      |      |      |      |                                        |  |      |     |      |     |                                   |  |      |     |      |     |                                        |  |      |     |      |     |                                                 |  |      |      |      |      |                                                         |  |      |     |      |    |                                  |  |      |      |      |     |                                    |  |      |      |      |     |                   |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                               |  |      |     |      |     |                                           |  |      |    |      |    |                                                                            |  |      |     |      |     |                                                             |  |      |     |      |     |                                                                |  |
| 1005                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 160                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 2005         | 80             | Provisional filing fee                                                     |                 |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |                                                        |      |      |      |      |                  |                           |      |      |      |      |                    |                                        |      |      |      |      |                        |                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |      |       |       |                |                                                     |              |          |     |      |    |                                        |        |      |     |      |                      |                                         |   |      |     |              |     |                                        |  |                 |          |          |          |                                         |          |      |      |      |      |                                        |  |      |     |      |     |                                   |  |      |     |      |     |                                        |  |      |     |      |     |                                                 |  |      |      |      |      |                                                         |  |      |     |      |    |                                  |  |      |      |      |     |                                    |  |      |      |      |     |                   |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                               |  |      |     |      |     |                                           |  |      |    |      |    |                                                                            |  |      |     |      |     |                                                             |  |      |     |      |     |                                                                |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Extra        | Fee from below | Fee Paid                                                                   |                 |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |                                                        |      |      |      |      |                  |                           |      |      |      |      |                    |                                        |      |      |      |      |                        |                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |      |       |       |                |                                                     |              |          |     |      |    |                                        |        |      |     |      |                      |                                         |   |      |     |              |     |                                        |  |                 |          |          |          |                                         |          |      |      |      |      |                                        |  |      |     |      |     |                                   |  |      |     |      |     |                                        |  |      |     |      |     |                                                 |  |      |      |      |      |                                                         |  |      |     |      |    |                                  |  |      |      |      |     |                                    |  |      |      |      |     |                   |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                               |  |      |     |      |     |                                           |  |      |    |      |    |                                                                            |  |      |     |      |     |                                                             |  |      |     |      |     |                                                                |  |
| Total Claims                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 20 -20 =                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 0            | 9              | 0                                                                          |                 |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |                                                        |      |      |      |      |                  |                           |      |      |      |      |                    |                                        |      |      |      |      |                        |                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |      |       |       |                |                                                     |              |          |     |      |    |                                        |        |      |     |      |                      |                                         |   |      |     |              |     |                                        |  |                 |          |          |          |                                         |          |      |      |      |      |                                        |  |      |     |      |     |                                   |  |      |     |      |     |                                        |  |      |     |      |     |                                                 |  |      |      |      |      |                                                         |  |      |     |      |    |                                  |  |      |      |      |     |                                    |  |      |      |      |     |                   |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                               |  |      |     |      |     |                                           |  |      |    |      |    |                                                                            |  |      |     |      |     |                                                             |  |      |     |      |     |                                                                |  |
| Ind. Claims                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 4 -3 =                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 1            | 43             | 43                                                                         |                 |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |                                                        |      |      |      |      |                  |                           |      |      |      |      |                    |                                        |      |      |      |      |                        |                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |      |       |       |                |                                                     |              |          |     |      |    |                                        |        |      |     |      |                      |                                         |   |      |     |              |     |                                        |  |                 |          |          |          |                                         |          |      |      |      |      |                                        |  |      |     |      |     |                                   |  |      |     |      |     |                                        |  |      |     |      |     |                                                 |  |      |      |      |      |                                                         |  |      |     |      |    |                                  |  |      |      |      |     |                                    |  |      |      |      |     |                   |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                               |  |      |     |      |     |                                           |  |      |    |      |    |                                                                            |  |      |     |      |     |                                                             |  |      |     |      |     |                                                                |  |
| Multiple Dep. Claims                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 0            |                | 0                                                                          |                 |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |                                                        |      |      |      |      |                  |                           |      |      |      |      |                    |                                        |      |      |      |      |                        |                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |      |       |       |                |                                                     |              |          |     |      |    |                                        |        |      |     |      |                      |                                         |   |      |     |              |     |                                        |  |                 |          |          |          |                                         |          |      |      |      |      |                                        |  |      |     |      |     |                                   |  |      |     |      |     |                                        |  |      |     |      |     |                                                 |  |      |      |      |      |                                                         |  |      |     |      |    |                                  |  |      |      |      |     |                                    |  |      |      |      |     |                   |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                               |  |      |     |      |     |                                           |  |      |    |      |    |                                                                            |  |      |     |      |     |                                                             |  |      |     |      |     |                                                                |  |
| Large Entity                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Small Entity |                | Fee Description                                                            | Fee Paid        |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |                                                        |      |      |      |      |                  |                           |      |      |      |      |                    |                                        |      |      |      |      |                        |                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |      |       |       |                |                                                     |              |          |     |      |    |                                        |        |      |     |      |                      |                                         |   |      |     |              |     |                                        |  |                 |          |          |          |                                         |          |      |      |      |      |                                        |  |      |     |      |     |                                   |  |      |     |      |     |                                        |  |      |     |      |     |                                                 |  |      |      |      |      |                                                         |  |      |     |      |    |                                  |  |      |      |      |     |                                    |  |      |      |      |     |                   |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                               |  |      |     |      |     |                                           |  |      |    |      |    |                                                                            |  |      |     |      |     |                                                             |  |      |     |      |     |                                                                |  |
| Fee Code                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Fee (\$)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Fee Code     | Fee (\$)       |                                                                            |                 |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |                                                        |      |      |      |      |                  |                           |      |      |      |      |                    |                                        |      |      |      |      |                        |                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |      |       |       |                |                                                     |              |          |     |      |    |                                        |        |      |     |      |                      |                                         |   |      |     |              |     |                                        |  |                 |          |          |          |                                         |          |      |      |      |      |                                        |  |      |     |      |     |                                   |  |      |     |      |     |                                        |  |      |     |      |     |                                                 |  |      |      |      |      |                                                         |  |      |     |      |    |                                  |  |      |      |      |     |                                    |  |      |      |      |     |                   |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                               |  |      |     |      |     |                                           |  |      |    |      |    |                                                                            |  |      |     |      |     |                                                             |  |      |     |      |     |                                                                |  |
| 1202                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 18                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 2202         | 9              | Claims in excess of 20                                                     |                 |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |                                                        |      |      |      |      |                  |                           |      |      |      |      |                    |                                        |      |      |      |      |                        |                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |      |       |       |                |                                                     |              |          |     |      |    |                                        |        |      |     |      |                      |                                         |   |      |     |              |     |                                        |  |                 |          |          |          |                                         |          |      |      |      |      |                                        |  |      |     |      |     |                                   |  |      |     |      |     |                                        |  |      |     |      |     |                                                 |  |      |      |      |      |                                                         |  |      |     |      |    |                                  |  |      |      |      |     |                                    |  |      |      |      |     |                   |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                               |  |      |     |      |     |                                           |  |      |    |      |    |                                                                            |  |      |     |      |     |                                                             |  |      |     |      |     |                                                                |  |
| 1201                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 86                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 2201         | 43             | Independent claims in excess of 3                                          |                 |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |                                                        |      |      |      |      |                  |                           |      |      |      |      |                    |                                        |      |      |      |      |                        |                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |      |       |       |                |                                                     |              |          |     |      |    |                                        |        |      |     |      |                      |                                         |   |      |     |              |     |                                        |  |                 |          |          |          |                                         |          |      |      |      |      |                                        |  |      |     |      |     |                                   |  |      |     |      |     |                                        |  |      |     |      |     |                                                 |  |      |      |      |      |                                                         |  |      |     |      |    |                                  |  |      |      |      |     |                                    |  |      |      |      |     |                   |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                               |  |      |     |      |     |                                           |  |      |    |      |    |                                                                            |  |      |     |      |     |                                                             |  |      |     |      |     |                                                                |  |
| 1203                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 290                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 2203         | 145            | Multiple dependent claim                                                   |                 |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |                                                        |      |      |      |      |                  |                           |      |      |      |      |                    |                                        |      |      |      |      |                        |                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |      |       |       |                |                                                     |              |          |     |      |    |                                        |        |      |     |      |                      |                                         |   |      |     |              |     |                                        |  |                 |          |          |          |                                         |          |      |      |      |      |                                        |  |      |     |      |     |                                   |  |      |     |      |     |                                        |  |      |     |      |     |                                                 |  |      |      |      |      |                                                         |  |      |     |      |    |                                  |  |      |      |      |     |                                    |  |      |      |      |     |                   |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                               |  |      |     |      |     |                                           |  |      |    |      |    |                                                                            |  |      |     |      |     |                                                             |  |      |     |      |     |                                                                |  |
| 1204                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 86                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 2204         | 43             | Reissue independent claims over original patent                            |                 |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |                                                        |      |      |      |      |                  |                           |      |      |      |      |                    |                                        |      |      |      |      |                        |                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |      |       |       |                |                                                     |              |          |     |      |    |                                        |        |      |     |      |                      |                                         |   |      |     |              |     |                                        |  |                 |          |          |          |                                         |          |      |      |      |      |                                        |  |      |     |      |     |                                   |  |      |     |      |     |                                        |  |      |     |      |     |                                                 |  |      |      |      |      |                                                         |  |      |     |      |    |                                  |  |      |      |      |     |                                    |  |      |      |      |     |                   |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                               |  |      |     |      |     |                                           |  |      |    |      |    |                                                                            |  |      |     |      |     |                                                             |  |      |     |      |     |                                                                |  |
| 1205                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 18                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 2205         | 9              | Reissue claims in excess of 20 and over original patent                    |                 |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |                                                        |      |      |      |      |                  |                           |      |      |      |      |                    |                                        |      |      |      |      |                        |                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |      |       |       |                |                                                     |              |          |     |      |    |                                        |        |      |     |      |                      |                                         |   |      |     |              |     |                                        |  |                 |          |          |          |                                         |          |      |      |      |      |                                        |  |      |     |      |     |                                   |  |      |     |      |     |                                        |  |      |     |      |     |                                                 |  |      |      |      |      |                                                         |  |      |     |      |    |                                  |  |      |      |      |     |                                    |  |      |      |      |     |                   |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                               |  |      |     |      |     |                                           |  |      |    |      |    |                                                                            |  |      |     |      |     |                                                             |  |      |     |      |     |                                                                |  |
| <b>SUBTOTAL (3)</b> .00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |              |                |                                                                            |                 |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |                                                        |      |      |      |      |                  |                           |      |      |      |      |                    |                                        |      |      |      |      |                        |                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |      |       |       |                |                                                     |              |          |     |      |    |                                        |        |      |     |      |                      |                                         |   |      |     |              |     |                                        |  |                 |          |          |          |                                         |          |      |      |      |      |                                        |  |      |     |      |     |                                   |  |      |     |      |     |                                        |  |      |     |      |     |                                                 |  |      |      |      |      |                                                         |  |      |     |      |    |                                  |  |      |      |      |     |                                    |  |      |      |      |     |                   |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                               |  |      |     |      |     |                                           |  |      |    |      |    |                                                                            |  |      |     |      |     |                                                             |  |      |     |      |     |                                                                |  |

| SUBMITTED BY          |  |              |  | Complete (if applicable) |         |
|-----------------------|--|--------------|--|--------------------------|---------|
| Typed or Printed Name |  | A. John Pate |  | Reg. Number              | 36,234  |
| Signature             |  | Date         |  | Deposit Account          | User ID |
|                       |  | Jan 20, 2004 |  |                          |         |

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

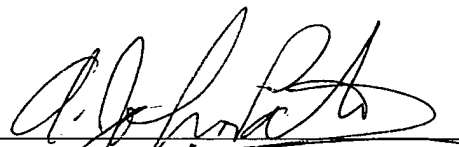
CERTIFICATE OF MAILING BY "EXPRESS MAIL"

"Express Mail" Mailing Label No.: EV323274765US

Date of Deposit: January 20, 2004

I hereby certify that this patent application in the name of Fred P. Smith for "CARGO UNLOADING APPARATUS AND METHOD," together with five (5) sheets of drawings; transmittal letter; fee transmittal letter; Form PTO-2038 authorizing credit card payment in the amount of Four Hundred Twenty-Eight Dollars (\$428.00); and return postcard are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. § 1.10 on the date indicated above in an envelope addressed to Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Respectfully submitted,

  
A. John Pate  
Reg. No. 36,234  
Attorney for Applicant

Date: January 20, 2004

PATE PIERCE & BAIRD  
Parkside Tower  
215 South State Street, Suite 550  
Salt Lake City, Utah 84111  
Telephone: (801) 530-0330